



ISETS
INTERNATIONAL SOCIETY FOR
ENERGY TRANSITION STUDIES

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ORGANISATIONAL DEVELOPMENT

CHINA ENERGY FINANCE NETWORK (CEFN) OFFICIALLY BECAME THE FIRST FIELD NETWORK

The ISETS Executive Committee has approved that China Energy Finance Network (CEFN) officially became the first field network of ISETS on October 21, 2022.

CEFN is an academic platform for cutting-edge scientific exchanges and cooperation in the field of energy finance, initiated by Professor Ji Qiang and Professor Zhang Dayong, two vice-presidents of the ISETS Executive Committee.

CEFN was one of the three institutions that initiated ISETS and was an ISETS founding institutional member. CEFN has established an expert steering committee that comprises renowned scholars in the field of climate and energy economics from China and overseas.

CEFN has been renamed as ISETS Energy Finance Network (ISETS EFN) and is committing to becoming an international influential academic organization in the field of energy and climate finance.

KNOWLEDGE-SHARING

Carbon market

A [recent study](#) appearing in iScience has identified a list of priority industries to be covered by China's carbon market.

Energy transition

A concerted effort by governments, miners, end-users and investors is needed to accelerate the transition towards a clean energy future when current energy crisis seems to have slammed the brakes, as argued in a Reuters [opinion piece](#).

[A study](#) shows substantial heterogeneity in terms of transition progress and readiness across Chinese cities and over times, as well as a large gap between forerunners and those cities that are trying to catch up with their peers. The analytical method developed in the study to measure energy transition at regional levels in China is also applicable to other country contexts.

Climate finance

In an [interview with Nature Sustainability](#), Prof. Farhad Taghizadeh-Hesary share his views on green energy finance and ways to bring private capitals to sustainability projects.

Loss and damage

An [opinion piece](#) that argues that 'development' is more critical than monetary compensations, especially for improving the capacity of vulnerable countries to manage loss and damage that may occur as a result of climate change.

Critical minerals

As the importance of critical minerals in the transition towards a net zero future is well recognised, ensuring their supply security has also attracted growing geo-political attentions, as shown by a [recent analysis](#) by the Australia-China Relations Institute (ACRI)

EVENTS

1.POLICY DIALOGUE ON THE EXTRACTIVES INDUSTRY IN ASIA AND THE PACIFIC

The International Society for Energy Transition Studies (ISETS), in cooperation with the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP), organised a policy dialogue session on the implications of energy transition on critical mineral demand and extractive industry in Asia and the Pacific on 22 November 2022. The focus of this session is to present the main findings of the draft study initiated by the UNESCAP on the topic and collect feedback from domain experts.

The summary report and full record can be found on the [UNESCAP official website](#), [ISETS website](#), and [ISETS YouTube Channel](#).

2.THE 5th CHINA NATIONAL PETROLEUM CORPORATION INTERNATIONAL COOPERATION FORUM AND SIGNING CEREMONY WAS SUCCESSFULLY HELD

The fifth China National Petroleum Corporation International Cooperation Forum and Signing Ceremony was successfully held on November 5th in Shanghai. The session was hosted by Dr. Sun Xiansheng, the Chairman of the ISETS Council, former secretary general of the International Energy Forum (IEF) and former president of the CNPC Economic and Technological Research Institute. Dr. Sun has chaired the session for five consecutive times.

The dialogues covered a wide range of topics comprising opportunities and challenges for international energy cooperation with great changes, restructuring global energy supply and demand system, solutions for energy transition, innovative business models and partnerships,

and the diversification from high level opening-up. During the dialogues, numerous outstanding views and profound insights were presented, and the Q&A session was also worthy of attention and reflection.

The remarkable problems and challenges remind us that the energy transition should be based on the energy security of the combined energy system. Consistent with the green development, deepening the opening-up and cooperation, and jointly building a safe and clean global energy system would be a top priority for responsible energy companies around the world, and an important international issue in the future.

3.THE 8th ISETS ENERGY TRANSITION FORUM & AUSTRALIA-CHINA HIGH-LEVEL DIALOGUE ON ENERGY AND CLIMATE CHANGE

Australia and China have significant potential to cooperate in the areas such as phasing out of coal, sustainable development of natural gas, and development of low carbon technologies such as wind and PV, electricity vehicles, and green hydrogen, and investment and global governance. They could also cooperate to help other neighbouring countries to enhance their energy transitions and climate actions.

To explore opportunities and challenges of bilateral cooperation in the energy sector and climate change areas, the Australia-China Relations Institute of University of Technology Sydney (UTS), the Institute of State Governance of Huazhong University of Science and Technology (HUST) and the International Society for Energy Transition Studies (ISETS) jointly organized the Australia-China High-Level Dialogue on Energy and Climate Change, where domain experts were invited to share their views on how to reboot and deepen energy and climate cooperation between Australia and China for a shared future.

The agenda can be found [here](#).

4.THE 7th ISETS ENERGY TRANSITION FORUM, 20 NOVEMBER 2022, XUZHOU

On 20 Nov 2022, the 7th ISETS Energy Transition Forum was held virtually. The forum was organised by ISETS, and hosted by the School of Economics and Management of China University of Mining and Technology (CUMT), and the Carbon Neutrality & Energy Strategy Think Tank of CUMT. It was co-hosted by the China Energy Finance Network and the Climate Finance Research Branch of Chinese Society of Optimization, Overall Planning and Economical Mathematics. More than 300 experts and scholars presented in the virtual meeting room.

The forum featured four keynote speeches and seven presentations on the Realistic Challenges and Path Selection of Energy Transition. Four experts from the China National Coal Association, University of International Business and Economics, Nanyang Technological University, and Beijing Institute of Technology discussed the energy transition of coal, oil and gas, maritime and the path to improve quality and reduce carbon under the goal of carbon neutrality. Other participants also shared views on the influencing factors and the path to the energy transition based on their latest research results.

5.THE 6th ISETS ENERGY TRANSITION FORUM, 12 NOVEMBER 2022, BEIJING

On November 12, the 6th ISETS Forum (Beijing) themed "Global resource risk management in the post-epidemic era" was successfully held. This forum was held and live streamed online, attracting more than 700 experts and scholars. This forum was organized by ISETS, hosted by the Institutes of Science and Development, Chinese Academy of Sciences, with the support of the Society for the Studies of Climate Finance, Chinese Society of Optimization, and School of Economics and Management, University of Chinese Academy of Sciences. It consists of three keynote presentations and seven forum presentations.

6.THE 5th ISETS ENERGY TRANSITION FORUM & TOKYO ENERGY TRANSITION FORUM, 14 OCTOBER 2022, TOKYO

With the Fukushima nuclear disaster in March 2011 and the shutdown of all nuclear power plants, Japan's energy self-sufficiency and energy security deteriorated drastically. Japan substituted the nuclear loss by importing more coal, LNG, and oil. However, with the most recent oil price increase and the supply disruptions due to the Ukraine war and the global energy crisis, and because of the carbon neutrality goals set by the Japanese government, the country has ambitious plans for the energy transition and increasing the reliance on domestic renewable energy resources. This implies a massive investment in renewable energy, especially in the solar sector. Japan also plans to achieve a hydrogen society in the long-term, although currently, it represents only 1% of the energy demand; The country aims to reach a 10% by 2050.

With this background, Tokyo Energy Transition Forum and the 5th ISETS Energy Transition Forum brought distinguished experts from Japan, Australia, Singapore, Sweden, and India to discuss ways to foster the energy transition and achieve a carbon neutrality society. The forum was jointly organized by the Tokai University (School of Political Science and Economics; School of Global Studies; TOKAI Research Institute for Environment and Sustainability (TRIES); The University of Kitakyushu; The International Society for Energy Transition Studies (ISETS) on Oct 14, 2022, at Tokai University in Tokyo and on the ZOOM platform.

The agenda is [here](#), and full record can be found on the [ISETS YouTube channel](#).

7.ISETS V-DIALOGUE SESSION: A SOCIAL COST OF CARBON WITH CHINESE CHARACTERISTICS

The second ISETS V-Dialogue session took place on 14th Oct 2022, where Dr. Richard Tol was invited to share his view on a social cost of carbon and its potential applications in China. Dr Tol is a Professor at the Department of Economics, University of Sussex, the Professor of the Economics of Climate Change, Institute for Environmental Studies and Department of Spatial Economics, Vrije Universiteit, Amsterdam, the Netherlands, and a Research Fellow of the Tinbergen Institute, CESifo, and the Payne Institute for Public Policy. He received an M.Sc. in econometrics (1992) and a Ph.D. in economics (1997) from the Vrije Universiteit Amsterdam.

He is ranked among the top 100 economists in the world and among the top 100 most-cited climate scholars. He has 299 publications in learned journals (with 100+ co-authors). He specialises in the economics of energy, environment, and climate, and is interested in integrated assessment modelling. He is the editor-in-chief for Energy Economics, a top field journal. He was an author of Working Groups I, II and III of the Intergovernmental Panel on Climate Change, shared winner of the Nobel Peace Prize for 2007.

The full record can be found on the [ISETS YouTube Channel](#).

UPCOMING EVENTS

THE INAUGURAL ISETS INTERNATIONAL CONFERENCE

The inaugural ISETS international conference will be held by the International Society for Energy Transition Studies, in cooperation with the Energy Division of the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) between 14-19 October 2023 at the United Nations Conference Centre, Bangkok.

The Conference will be held alongside the Third Asia Pacific Energy (Ministerial) Forum on 18-20 October 2023 and together they form key parts of the Asia Pacific Energy Week. The key findings and recommendations from the ISETS conference are expected to be channelled to the subsequent ministerial forum.

The Conference will cover a wide range of energy and environmental issues of interest to academia, analysts, policy- makers and industry participants and beyond.

Keynote panels and other plenary sessions that bring together ministers and senior officials from ESCAP member countries and leaders from industries, think tanks, NGOs, multilateral organisations, and the academic community will facilitate dialogue on key policy issues on the energy transition and climate change.

All ISETS members and professionals in the energy transition and associated areas are invited to attend the international conference. Researchers and practitioners who are interested in making presentations need to submit abstracts by **15 May 2023** and register by 31 July 2023. They need to register at www.isets.org. After login into the Member Portal, they can submit abstracts under the “Event-1st ISETS Intel Conference”.

ISETS also welcome proposals for the Dual/Tri Plenary Sessions on 16 and 17 October at the United Nations Conference Center. The deadline for proposal submission is **25 April 2023**. Please send your proposal to events@isets.org.

Call for paper & sessions can be found [here](#).

About ISETS

The International Society for Energy Transition Studies (ISETS) is a worldwide non-profit professional organisation based in Australia, which has members in 50+ nations and more than ten international organisations.

ISETS was founded on 16 June 2020 through the Founding Declaration signed by a group of 31 energetic and internationally acclaimed professionals who have extensive experiences in energy, environment and other sustainable development issues.

ISETS aims to facilitate an equitable and inclusive transition of energy and relevant sectors toward a sustainable low-carbon future with consideration of economic development, social equity, and environmental stewardship through international partnerships.

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